# Mathematics: Image 12-35

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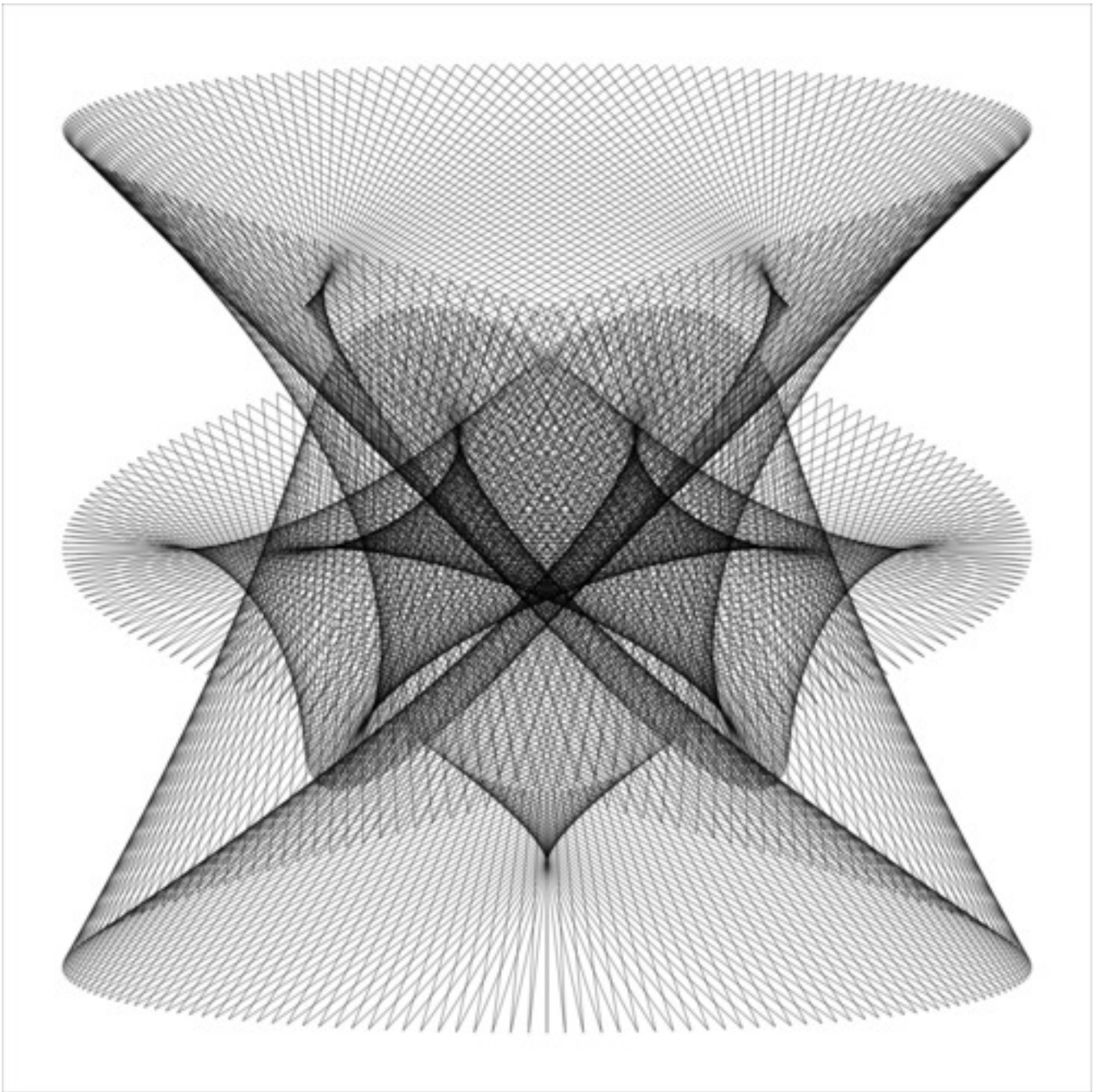
Description:

$$\left\{ \overline{AB} \mid \quad A = \left( -\sin(\frac{12\pi k}{1000}) \ , \ -\cos(\frac{4\pi k}{1000}) \right) \quad , \quad B = \left( \frac{-1}{2}\sin(\frac{10\pi k}{1000}) \ , \ \frac{-1}{2}\cos(\frac{12\pi k}{1000}) \right) \quad , \quad k = 1, 2, 3, ..., 1000 \right\}$$